

SECTION 700 REVISIONS

The Standard Specifications are revised as follows:

SECTION 702, BEGIN LINE 31, DELETE AND INSERT AS FOLLOWS: [702.03]

Coarse Aggregate

For exposed concrete, ~~Class AP or~~ Class A *or Higher*,

~~size~~ Size No. 8 904.02

For non-exposed concrete, Class A ~~or~~ B *or Higher*,

~~size~~ Size No. 8 904.02

Curing Materials..... 912.01

Curing-Sealing Materials..... 912.02

Fabric for Waterproofing 913.16

Fine Aggregate, ~~size~~ Size No. 23 904.01

SECTION 702, BEGIN LINE 486, DELETE AND INSERT AS FOLLOWS:[702.11]

Stockpiled aggregates may be heated by the use of dry heat or steam. Aggregates shall not be heated directly by gas or oil flame or on sheet metal over fire. However, a drier in accordance with ~~408.02(a)5~~ 409.02(a)5 may be used if approved.

SECTION 704, BEGIN LINE 80, DELETE AND INSERT AS FOLLOWS: [704.05]

The finishing machine shall be in accordance with the applicable requirements of ~~501.04(e)~~ 508.04(b) except it shall have ~~at least~~ *a minimum of* one reciprocating non-vibrating screen. The weight of the machine shall not cause undue deflection of the bridge members or falsework. The

SECTION 707, BEGIN LINE 17, DELETE AND INSERT AS FOLLOWS: [707.02]

Coarse Aggregates, Class A *or Higher*, Size No. 91 904.02

Concrete Curing Materials and Admixtures 912

Concrete Sealers 909.09, 909.10

Elastomeric Bearings 915.04

Fine Aggregates, Size No. 23 904.01

SECTION 714, LINE 10, DELETE AND INSERT AS FOLLOWS: [714.02]

~~B-Borrow for Structure Backfill~~ 211

SECTION 714, AFTER LINE 18, INSERT AS FOLLOWS:

Structure Backfill 904

SECTION 714, BEGIN LINE 81, DELETE AND INSERT AS FOLLOWS:

714.06 Method of Measurement. Concrete used in retaining walls, culverts, and culvert extensions will be measured in accordance with 702.27. Reinforcing steel will be measured in accordance with 703.07. Precast reinforced concrete box sections and precast reinforced concrete box section extensions will be measured by the meter (linear foot), complete in place. ~~B-borrow for structure~~ *Structure* backfill will be measured in accordance with 211.09. Field drilled holes will be measured in accordance with 702.27.

SECTION 714, BEGIN LINE 96, DELETE AND INSERT AS FOLLOWS: [714.07]
 in place. ~~B-borrow for structure~~ *Structure* backfill will be paid for in accordance with 211.10. Field drilled holes will be paid for in accordance with 702.28.

SECTION 715, BEGIN LINE 23 DELETE AS FOLLOWS: [715.02]
~~B-Borrow for Structure Backfill~~ 211

SECTION 715, AFTER LINE 29 DELETE AS FOLLOWS: [715.02]
~~Structure Backfill~~ 904

SECTION 715, BEGIN LINE 121, DELETE AND INSERT AS FOLLOWS: [715.02(j)]
 furnished with the grating. The aggregate leveling bed required for precast units shall be coarse aggregate size No. 8 in accordance with ~~904.02~~ *904.03*. The hardware cloth used to cover

SECTION 715, BEGIN LINE 170, DELETE AND INSERT AS FOLLOWS: [715.03]
 Where rock or boulder formation is encountered at or above the proposed trench bottom elevation, the trench shall be excavated at least 200 mm (8 in.) below the proposed grade, backfilled with ~~B-borrow for structure~~ *structure* backfill, and then compacted in accordance with 211.04.

SECTION 715, BEGIN LINE 270, DELETE AND INSERT AS FOLLOWS: [715.08]
 213.04(c). All other pipe installations shall be backfilled as shown on the plans or as directed. ~~B-borrow for structure~~ *Structure* backfill shall be placed in accordance with 211.04.

Prior to placing flowable mortar backfill, all standing water shall be removed from the trench. If the water cannot be removed from the trench, ~~B-borrow for~~ structure backfill shall be used in lieu of flowable mortar to an elevation 0.6 m (2 ft) above the groundwater. The remainder of the trench shall be backfilled as shown on the plans.

Except where prohibited due to groundwater, flowable mortar may be used as a substitute for ~~B-borrow for structure~~ backfill.

SECTION 715, BEGIN LINE 290, DELETE AS FOLLOWS: [715.08]
 Where material other than ~~B-borrow for~~ structure backfill or flowable mortar is permitted and used for backfilling, it shall be of such nature that compacts readily. That

SECTION 715, BEGIN LINE 367, DELETE AND INSERT AS FOLLOWS: [715.11]
~~B-borrow for structure~~ *Structure* backfill will be measured in accordance with 211.09. Flowable mortar will be measured in accordance with 213.06.

SECTION 715, BEGIN LINE 382, DELETE AND INSERT AS FOLLOWS: [715.12]
 Pipe end sections, concrete anchors, and safety metal end sections will be paid for at the contract unit price per each for the size specified, complete in place. A concrete anchor attached at one end of twin pipes will be paid for as two concrete anchors. A concrete anchor attached at one end of triple pipes will be paid for as three concrete anchors. ~~B-borrow for structure~~ *Structure* backfill will be paid for in accordance with 211.10. If utilized as a substitute for ~~B-borrow for~~ structure backfill or

if used to backfill thermoplastic pipes fabricated of nonhydrostatic design basis resins, flowable mortar will be paid for as ~~B-borrow for~~ structure backfill. Otherwise, flowable mortar will be paid for in accordance with 213.07.

SECTION 715, BEGIN LINE 621, DELETE AS FOLLOWS: [715.12]

The costs of sawing of pavement, excavation above the trench bottom elevation shown on plans, backfilling with material other than ~~B-borrow for~~ structure backfill or flowable mortar, dewatering, shoring, timber mats, pavement replacement, class A

SECTION 716, BEGIN LINE 159, DELETE AND INSERT AS FOLLOWS:

716.02 Materials. *The materials shall be in accordance with the following.*

<i>Cement</i>	<i>901.01(b)</i>
<i>Clay Pipe, Extra Strength</i>	<i>907.08</i>
<i>Fine Aggregate</i>	<i>904.01</i>

SECTION 717, BEGIN LINE 10 DELETE AND INSERT AS FOLLOWS: [717.02]

B-Borrow for Structure Backfill	211
Bituminous Mastic Pipe Joint Sealer	906.05
Concrete, Class A	702
Flowable Mortar	213
Grouted Riprap	616.02(d) 904
Reinforcing Steel	910.01
<i>Structure Backfill</i>	<i>904</i>
Structural Plate Arches	908.09
Structural Plate Pipe and Pipe-Arches	908.09

SECTION 717, BEGIN LINE 43 DELETE AND INSERT AS FOLLOWS: [717.03]

If shown on the plans, or otherwise required, the flowline of arches shall be paved with grouted riprap in accordance with ~~616.06~~ 616.04 or paved with class A concrete.

SECTION 717, LINE 140 DELETE AND INSERT AS FOLLOWS: [717.08]

~~B-borrow for structure~~ *Structure* backfill will be measured in accordance with 211.09.

SECTION 717, BEGIN LINE 153 DELETE AND INSERT AS FOLLOWS: [717.09]

If a pipe or pipe-arch is lowered or relocated, or if rock or unsuitable material is encountered which requires additional excavation, such excavation will be paid for in accordance with 715.12. ~~B-borrow for structure~~ *Structure* backfill will be paid for in accordance with 211.10. Flowable mortar will be paid for in accordance with 715.12.

SECTION 718, BEGIN LINE 141, DELETE AND INSERT AS FOLLOWS: [718.02]

B-Borrow for Structure Backfill	211
<i>Coarse Aggregate, Class E or Higher, Size No. 8 or 9,</i>	
<i>Class E or Higher</i>	904.02
<i>Concrete, Class A</i>	<i>702</i>
<i>Geotextile for Underdrains</i>	<i>913.19</i>
<i>Reinforcing Steel</i>	<i>910.01</i>
<i>Sod, including Nursery Sod</i>	<i>621</i>

<i>Structure Backfill</i>	904
<i>Underdrain Pipes</i>	715.02(d)
<i>Underdrain Outlet Pipes</i>	907.24

SECTION 718, BEGIN LINE 156, DELETE AND INSERT AS FOLLOWS: [718.02]

~~HMA for underdrains shall be in accordance with 402 for HMA Intermediate C19.0 mm.~~ The mixture for HMA for underdrains shall be Intermediate C19.0 mm in accordance with 401. An ESAL Category 5 in accordance with 401.04 and a PG Binder 76-22 shall be used. A MAF in accordance with 401.05 will not apply. Acceptance of the HMA for underdrains will be in accordance with 402.09.

SECTION 718, BEGIN LINE 179, DELETE AND INSERT AS FOLLOWS:

718.05 Underdrain Outlets. After the outlet pipe installation, the trench shall be backfilled as shown on the plans. ~~B-borrow for structure~~ Structure backfill shall not extend into the limits of the underdrain trench. The trench outside the limits of ~~B-borrow for structure~~ backfill shall be filled with materials suitable for growing vegetation.

SECTION 718, LINE 220, DELETE AND INSERT AS FOLLOWS: [718.08]

~~B-borrow for structure~~ Structure backfill will be measured in accordance with 211.09. HMA for underdrains will be measured by the megagram (ton).

SECTION 718, LINE 247, DELETE AND INSERT AS FOLLOWS: [718.09]

~~B-borrow for structure~~ Structure backfill will be paid for in accordance with 211.10.

SECTION 719, BEGIN LINE 11, DELETE AND INSERT AS FOLLOWS: [719.02]

B-Borrow for Structure Backfill	211
Concrete, Class A	702
Drain Tile Terminal Pipe	907.24
Flowable Mortar	213
Reinforcing Steel	910.01
Riprap	616.02(b) 904
<i>Structure Backfill</i>	904

SECTION 719, BEGIN LINE 75, DELETE AND INSERT AS FOLLOWS:

719.07 Method of Measurement. Drain tile and replacement pipe of the type and size specified will be measured in accordance with 715.11. Terminating pipe sections of the type and size specified will be measured per meter (linear foot). ~~B-borrow for structure~~ Structure backfill will be measured in accordance with 211.09. and ~~flowable~~ Flowable mortar will be measured in accordance with ~~715.11~~ 213.06. Riprap will be measured in accordance with 616.11.

SECTION 719, BEGIN LINE 92, DELETE AND INSERT AS FOLLOWS:

719.08 Basis of Payment. The accepted quantities of drain tile and replacement pipe will be paid for in accordance with 715.12. Terminating pipe sections will be paid for at the contract unit price per meter (linear foot) for pipe, drain tile terminal section, of the size specified, complete in place). ~~B-borrow for structure~~ Structure backfill will be paid for in accordance with 211.10. and ~~flowable~~ Flowable mortar will be paid for in accordance with ~~715.12~~ 213.07. Riprap will be paid for in accordance with 616.12.

SECTION 722, BEGIN LINE 11, DELETE AND INSERT AS FOLLOWS: [722.02]

Coarse Aggregate, <i>Class A or Higher, Size No. 11*</i>	904.02
Epoxy Penetrating Sealer	909.09
Epoxy Resin Adhesive.....	909.11
Fine Aggregate, <i>Size No. 23</i>	904.01

SECTION 722, AFTER LINE 18, INSERT AS FOLLOWS: [722.02]

** Crushed stone only*

SECTION 722, BEGIN LINE 71, DELETE AND INSERT AS FOLLOWS: [722.04]

(a) Fine aggregate shall be ~~size No. 23 and shall be~~ 35% to 45% of the total weight of aggregate used.

~~(b) Coarse aggregate shall be size No. 11, class A crushed stone.~~

~~(e)~~(b) The cement shall be 335 kg/m³ (564 lbs/cu yd) of portland cement type III or type IIIA, or 503 kg/m³ (846 lbs/cu yd) of portland cement type I or type IA.

~~(d)~~(c) Air entraining admixture shall be added to produce 5% to 8% entrained air.

~~(e)~~(d) The net water added shall produce a slump of no more than 100 mm (4 in.).

SECTION 725, LINE 12, DELETE AS FOLLOWS: [725.05]

Fine Aggregate..... ~~904.01~~
